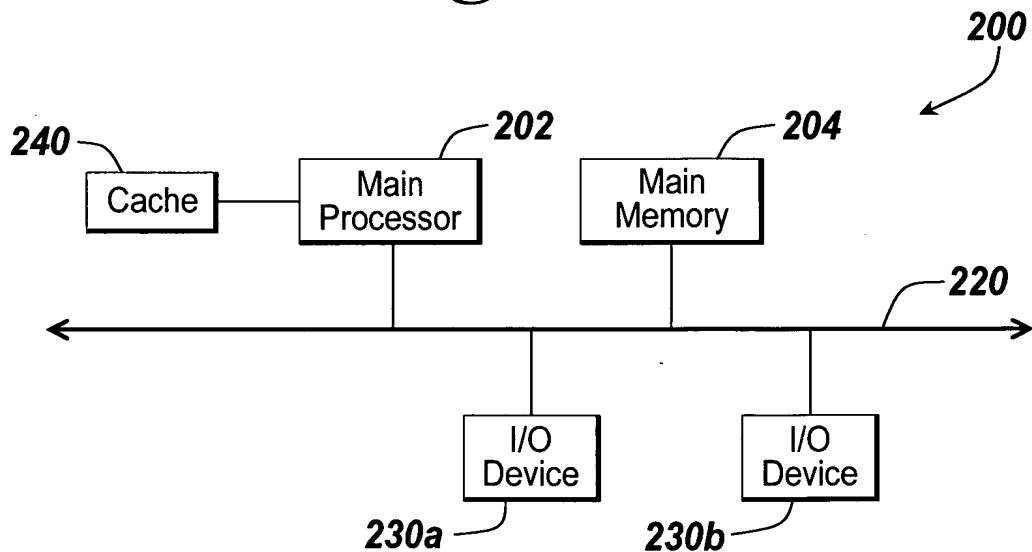
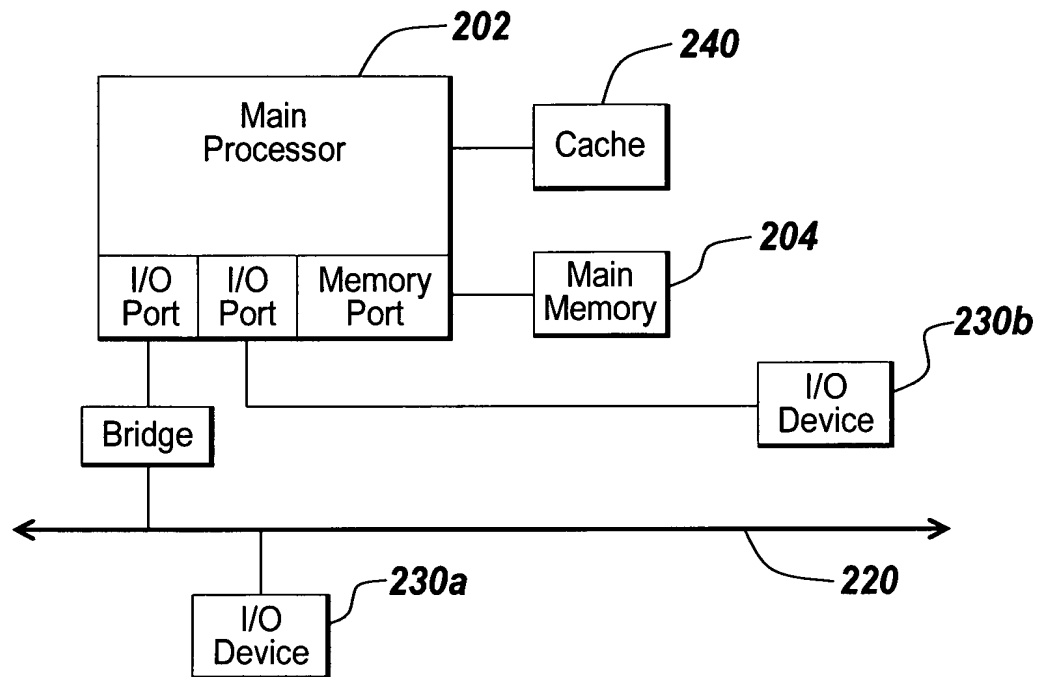
*Fig. 1**Fig. 2A*

*Fig. 2B*

300

File

FieldKorosNoyesModel

Compartments

- BZ

Reactions

- Reaction1
- Reaction2
- Reaction3
- Reaction4
- Reaction5

Species

- Br
- BrO3
- Ce
- HBrO2
- HOBr

310

312

Reaction Table

Reaction	Kinetic Law	Parameter	Reversible
Br + BrO3 -> HBrO2 + HOBr	Br*BrO3*k1	k1	false
Br + HBrO2 -> HOBr	Br*HBrO2*k2	k2	false
BrO3 + HBrO2 -> Ce + HBrO2	BrO3*HBrO2*k3	k3	false
HBrO2 -> BrO3 + HOBr	HBrO2^2*k4	k4	false
Ce -> Br	Ce*k5	k5	false

314

Species Table

Name	Initial Amount	Constant
Br	0.003	false
BrO3	0.1	false
Ce	0.05	false
HBrO2	0.001	false
HOBr	0	false

316

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302

320

Fig. 3A

Reaction Table		Kinetic Law		Parameter		Reversible	
<input type="checkbox"/> heatshock	$s70 + \text{RNAP} \rightarrow s70:\text{RNAP}$	Mass Action	K				true
<input type="checkbox"/> Reactions	$\text{pg} + s70:\text{RNAP} \rightarrow s70:\text{RN..}$	Mass Action	K				true
<input type="checkbox"/> Species	$s70:\text{RNAP}:\text{pg} \rightarrow \text{mRNA}_{32}$	Mass Action	K				true
> DnaK	$\text{mRNA}_{32} \rightarrow \text{null}$	Mass Action	K				false
> FisH	$\text{mRNA}_{32} \rightarrow s32$	Mass Action	K				true
> HsiVU	$s32 \rightarrow \text{null}$	Mass Action	K				false
> Pfolded	$s32 + \text{RNAP} \rightarrow s32:\text{RNAP}$	Mass Action	K				true
> Protease	$\text{ph} + s32:\text{RNAP} \rightarrow s32:\text{RN..}$	Mass Action	K				true
> Punfolded	$s32:\text{RNAP}:\text{ph} \rightarrow \text{mRNA}_{\text{DnaK}}$	Mass Action	K				true
> Punfolded DnaK	$\text{mRNA}_{\text{DnaK}} \rightarrow \text{null}$	Mass Action	K				false
> RNAP	$\text{mRNA}_{\text{DnaK}} \rightarrow \text{DnaK}$	Mass Action	K				true
> mRNA_DnaK	$\text{DnaK} \rightarrow \text{null}$	Mass Action	K				false
> mRNA_FisH	$s32 + \text{DnaK} \rightarrow s32:\text{DnaK}$	Mass Action	K				true
> mRNA_HsiVU	$\text{Punfolded} + \text{DnaK} \rightarrow \text{Punfo...}$	Mass Action	K				true
> mRNA_Protease	$\text{Punfolded}:\text{DnaK} + \text{Pfolded} \rightarrow \text{Pfolded} \rightarrow \text{Punfolded}$	Mass Action	K				true
> null	$s32:\text{RNAP}:\text{ph} \rightarrow \text{mRNA}_{\text{FisH}}$	Mass Action	K				true
> pg	$\text{mRNA}_{\text{FisH}} \rightarrow \text{null}$	Mass Action	K				false
> ph	$\text{mRNA}_{\text{FisH}} \rightarrow \text{FisH}$	Mass Action	K				true
> s32	$\text{FisH} \rightarrow \text{null}$	Mass Action	K				false
> s32:DnaK	$s32:\text{RNAP}:\text{ph} \rightarrow \text{mRNA}_{\text{HsiVU}}$	Mass Action	K				true
> s32:RNAP	$\text{mRNA}_{\text{HsiVU}} \rightarrow \text{null}$	Mass Action	K				false
> s32:RNAP:ph	$\text{mRNA}_{\text{HsiVU}} \rightarrow \text{HsiVU}$	Mass Action	K				true
> s70:RNAP	$\text{HsiVU} \rightarrow \text{null}$	Mass Action	K				false
> s70:RNAP:pg	$s32:\text{RNAP}:\text{ph} \rightarrow \text{mRNA}_{\text{Pro...}}$	Mass Action	K				true
Species Table		Initial Amount		Constant			
DnaK		0					false
FisH		0					false
HsiVU		0					false
Pfolded		17800					false
Protease		0					false
Punfolded		0					false
Punfolded:DnaK		0					false
RNAP		1337.6174					false
mRNA_DnaK		0					false
mRNA_FisH		0					false
mRNA_HsiVU		0					false
mRNA_Protease		0					false
mRNA_s32		0					false
null		0					false

Fig. 3B

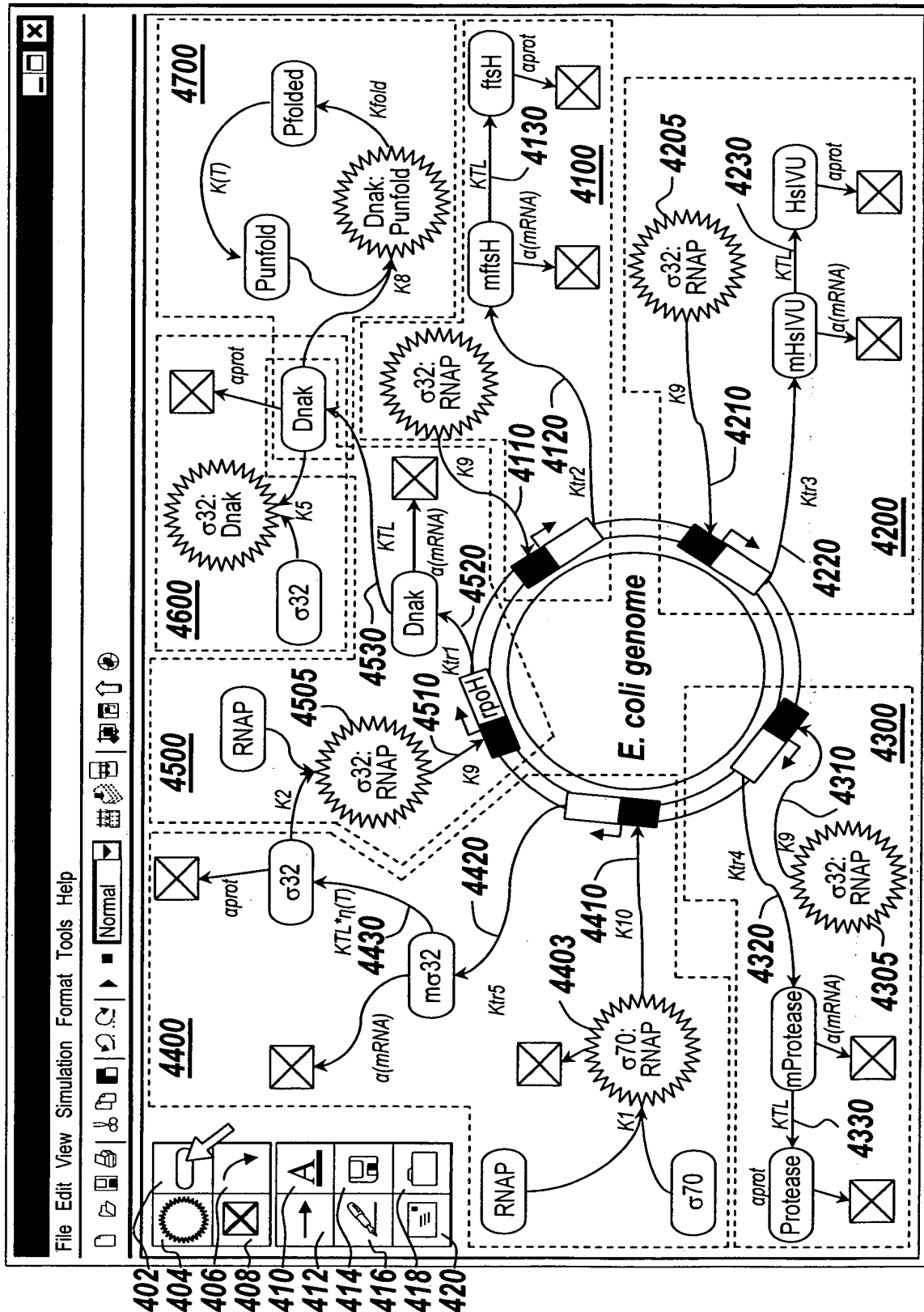
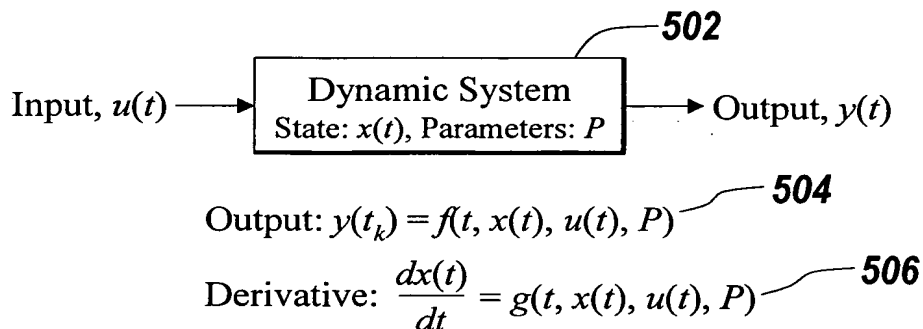
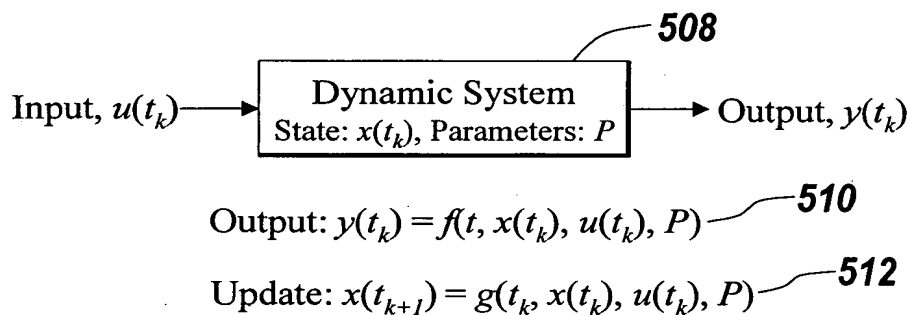
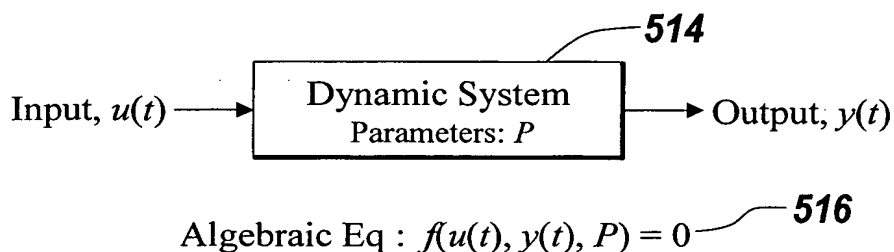
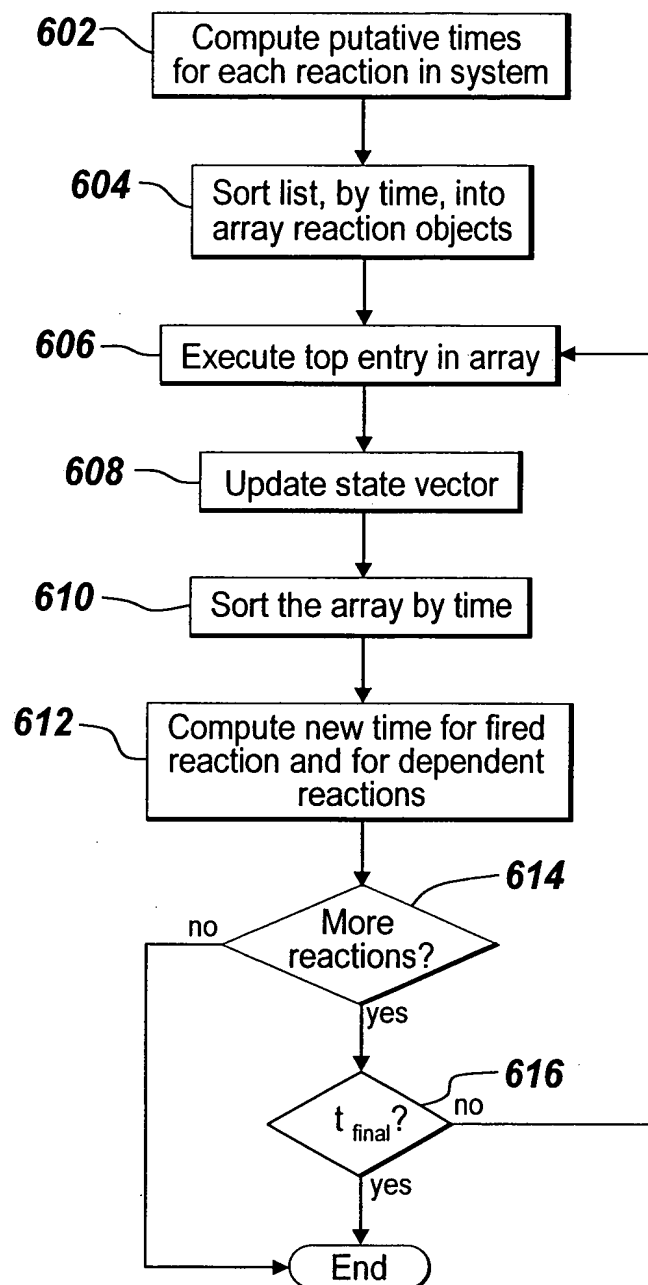


Fig. 4

*Fig. 5A**Fig. 5B**Fig. 5C*

*Fig. 6*

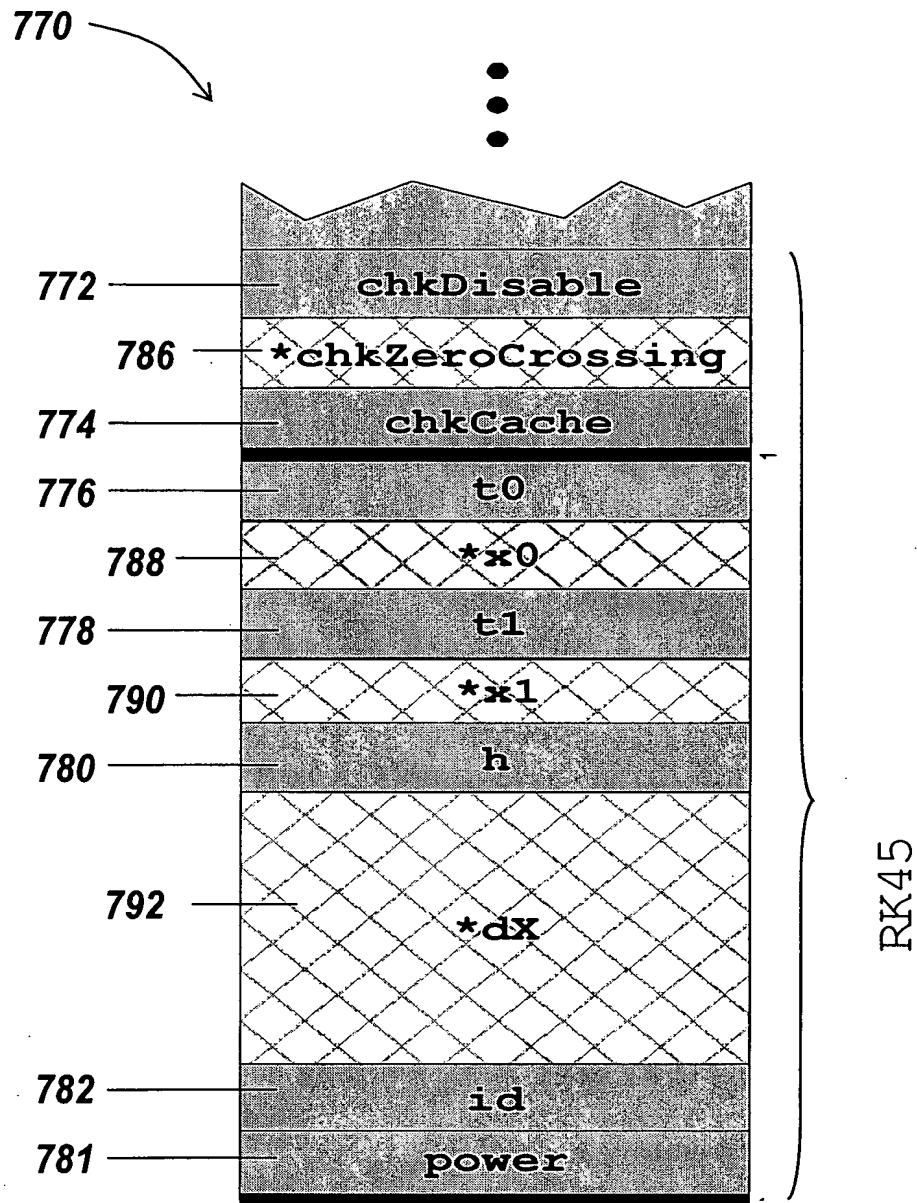


Fig. 7

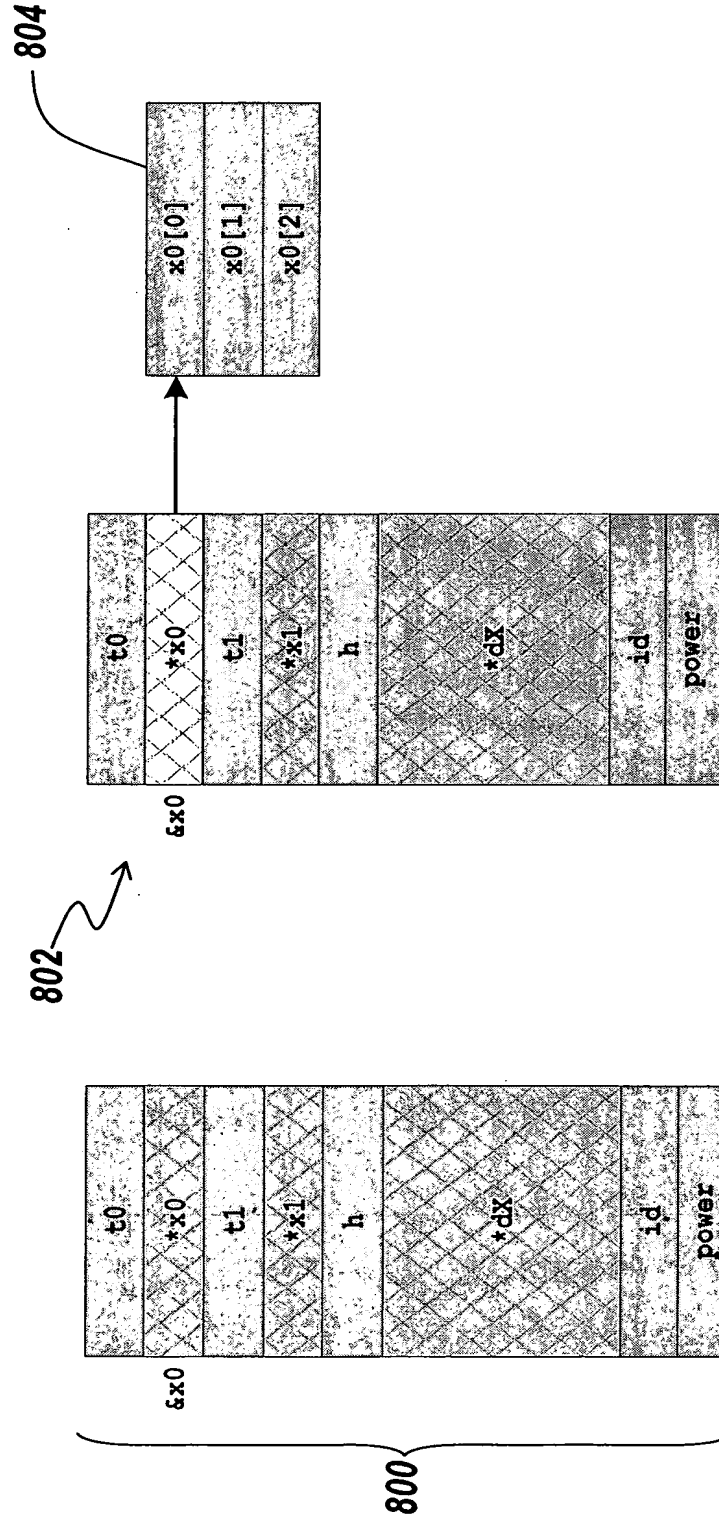


Fig. 8B

Fig. 8A

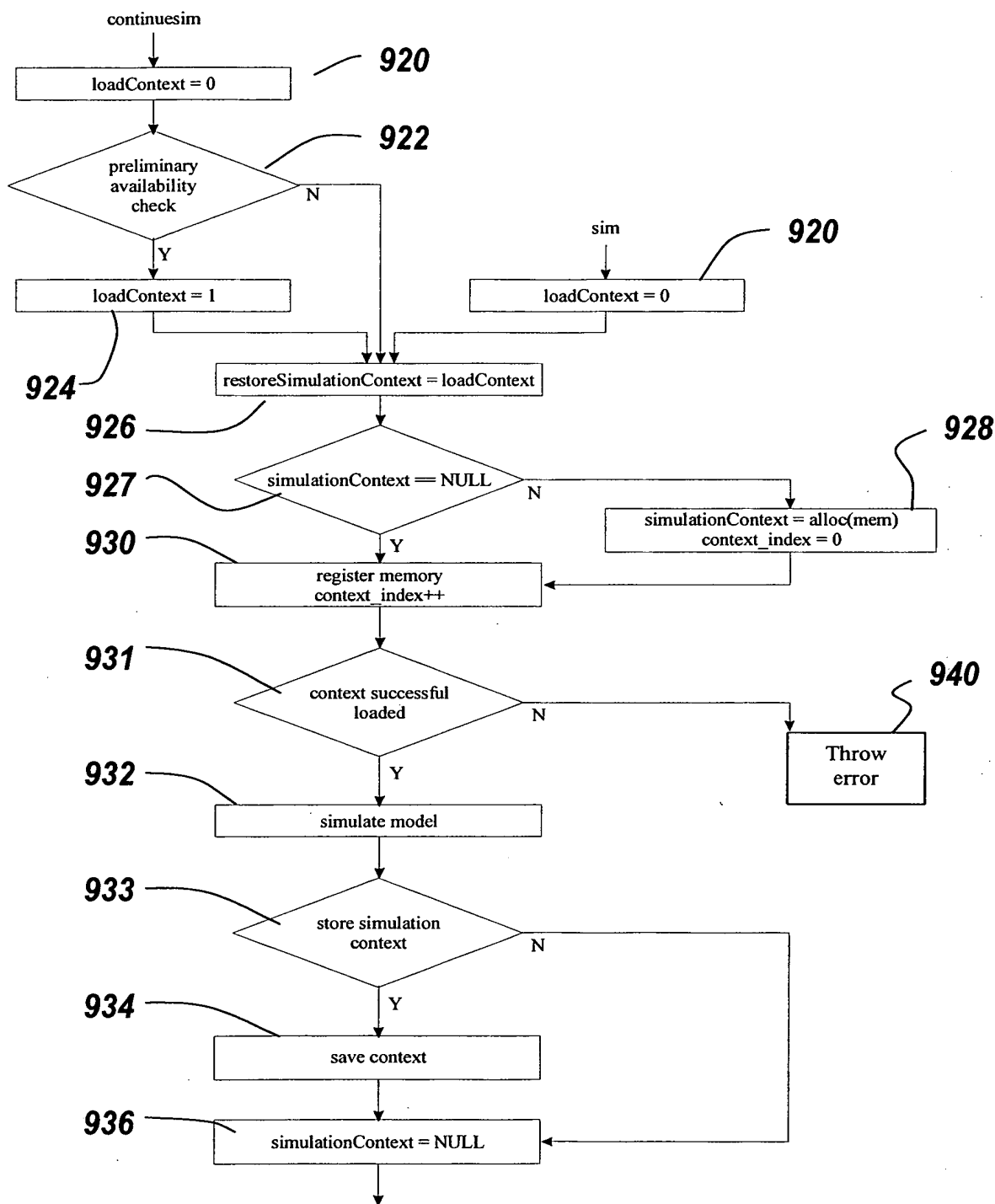


Fig. 9